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2 **CLAIMS:**

3 What is claimed is:

1 1. A method of redirecting a call from a data processing system to another
2 address, comprising the steps of:
3 receiving at a data processing system a registration notice of an incoming call
4 from a server; and
5 responsive to determination of a new address; transmitting a new address to
6 which the incoming call is to be redirected.

1 2. The method as recited in claim 1, wherein said data processing system is a
2 personal digital assistant.

1 3. The method as recited in claim 1, wherein said data processing system is a
2 laptop computer.

1 4. The method as recited in claim 1, wherein said data processing system is a
2 portable computing device.

1 5. The method as recited in claim 1, wherein said data processing system is a
2 wireless device.

1 6. The method as recited in claim 1, wherein the registration notice is a session
2 initiation protocol registration notice.

1 7. The method as recited in claim 1, wherein the incoming call comprises video
2 and the new address corresponds to a video display terminal.

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- 1 8. The method as recited in claim 1, wherein said data processing system is a
- 2 wire-line connected device.

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1 9. A computer program product in computer readable media for use in a data
2 processing system for redirecting a call from a data processing system to another
3 address, the computer program product comprising:
4 first instructions for receiving at a data processing system a registration notice
5 of an incoming call from a server; and
6 second instructions, responsive to determination of a new address; for
7 transmitting a new address to which the incoming call is to be redirected.

1 10. The computer program product as recited in claim 9, wherein said data
2 processing system is a personal digital assistant.

1 11. The computer program product as recited in claim 9, wherein said data
2 processing system is a laptop computer.

1 12. The computer program product as recited in claim 9, wherein said data
2 processing system is a portable computing device.

1 13. The computer program product as recited in claim 9, wherein said data
2 processing system is a wireless device.

1 14. The computer program product as recited in claim 9, wherein the registration
2 notice is a session initiation protocol registration notice.

1 15. The computer program product as recited in claim 9, wherein the incoming
2 call comprises video and the new address corresponds to a video display terminal.

1 16. The computer program product as recited in claim 9, wherein said data
2 processing system is a wire-line connected device.

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1 17. A system of redirecting a call from a data processing system to another
2 address, comprising:
3 means for receiving at a data processing system a registration notice of an
4 incoming call from a server; and
5 means, responsive to determination of a new address; for transmitting a new
6 address to which the incoming call is to be redirected.

1 18. The system as recited in claim 17, wherein said data processing system is a
2 personal digital assistant.

1 19. The system as recited in claim 17, wherein said data processing system is a
2 laptop computer.

1 20. The system as recited in claim 17, wherein said data processing system is a
2 portable computing device.

1 21. The system as recited in claim 17, wherein said data processing system is a
2 wireless device.

1 22. The system as recited in claim 17, wherein the registration notice is a session
2 initiation protocol registration notice.

1 23. The system as recited in claim 17, wherein the incoming call comprises video
2 and the new address corresponds to a video display terminal.

1 24. The system as recited in claim 17, wherein said data processing system is a
2 wire-line connected device.

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1 25. A method for redirecting calls to a data processing system to a second
2 location; comprising the steps of:
3 sending a registration notification to a called party's preferred location; and
4 responsive to receipt of a new address from the called party, redirecting the
5 incoming call to the new address.

1 26. The method as recited in claim 25, further comprising:
2 prior to said sending step, receiving a request to initiate a call with a called
3 party; and
4 determining a preferred location of the called party.

1 27. The method as recited in claim 25, wherein the registration notification is a
2 session initiation protocol registration.

1 28. The method as recited in claim 25, wherein the preferred location is a personal
2 digital assistant.

1 29. The method as recited in claim 28, wherein the personal digital assistant is a
2 Palm VII utilizing a Palm Query Application to provide a user interface.

1 30. The method as recited in claim 25, wherein the new address corresponds to a
2 voice mailbox.

1 31. The method as recited in claim 25, wherein the new address corresponds to
2 placing the incoming call on hold.

1 32. The method as recited in claim 25, wherein communication with the preferred
2 device is provided utilizing a wireless application protocol.

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- 1 33. The method as recited in claim 25, wherein the new address corresponds to a
- 2 wire-line device.

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1 34. A computer program product in computer readable media for use in a data
2 processing system for redirecting calls to a data processing system to a second
3 location; the computer program product comprising:

4 first instructions for sending a registration notification to a called party's
5 preferred location; and

6 second instructions, responsive to receipt of a new address from the called
7 party, for redirecting the incoming call to the new address.

1 35. The computer program product as recited in claim 34, further comprising:

2 prior to said sending step, third instructions for receiving a request to initiate a
3 call with a called party; and

4 fourth instructions for determining a preferred location of the called party.

1 36. The computer program product as recited in claim 34, wherein the registration
2 notification is a session initiation protocol registration.

1 37. The computer program product as recited in claim 34, wherein the preferred
2 location is a personal digital assistant.

1 38. The computer program product as recited in claim 37, wherein the personal
2 digital assistant is a Palm VII utilizing a Palm Query Application to provide a user
3 interface.

1 39. The computer program product as recited in claim 34, wherein the new
2 address corresponds to a voice mailbox.

1 40. The computer program product as recited in claim 34, wherein the new
2 address corresponds to placing the incoming call on hold.

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1 41. The computer program product as recited in claim 34, wherein
2 communication with the preferred device is provided utilizing a wireless application
3 protocol.

1 42. The computer program product as recited in claim 34, wherein the new
2 address corresponds to a wire-line device.

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1 43. A system for redirecting calls to a data processing system to a second
2 location; comprising:
3 means for sending a registration notification to a called party's preferred
4 location; and
5 means, responsive to receipt of a new address from the called party, for
6 redirecting the incoming call to the new address.

1 44. The system as recited in claim 43, further comprising:
2 prior to said sending step, means for receiving a request to initiate a call with a
3 called party; and
4 means for determining a preferred location of the called party.

1 45. The system as recited in claim 43, wherein the registration notification is a
2 session initiation protocol registration.

1 46. The system as recited in claim 43, wherein the preferred location is a personal
2 digital assistant.

1 47. The system as recited in claim 46, wherein the personal digital assistant is a
2 Palm VII utilizing a Palm Query Application to provide a user interface.

1 48. The system as recited in claim 43, wherein the new address corresponds to a
2 voice mailbox.

1 49. The system as recited in claim 43, wherein the new address corresponds to
2 placing the incoming call on hold.

1 50. The system as recited in claim 43, wherein communication with the preferred
2 device is provided utilizing a wireless application protocol.

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- 1 51. The system as recited in claim 43, wherein the new address corresponds to a
- 2 wire-line device.

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1 52. A method in a communications system for processing a call, the method
2 comprising:
3 receiving at a mobile data processing system a call for a user;
4 sending a first request to setup the call to the mobile data processing system
5 associated with a user, wherein the mobile data processing system has a wireless
6 communications capability;
7 receiving a response to the request, wherein the response includes an address
8 for the call; and
9 sending a second request to setup the call to the user using the address.

1 53. The method as recited in claim 52, wherein the data processing system is a
2 personal digital assistant.

1 54. The method as recited in claim 52, wherein the personal digital assistant is a
2 Palm VII.

1 55. The method as recited in claim 52, wherein the request and the response are
2 session initiation protocol messages.

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- 1 56. A method for processing a call at a data processing system the method
- 2 comprising:
 - 3 receiving a request to establish a call;
 - 4 presenting caller information at the data processing system; and
 - 5 responsive to an identification of an address for the call, returning a response
 - 6 including the address.
- 1 57. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises displaying the caller information.
- 1 58. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises presenting the caller information audibly.
- 1 59. The method as recited in claim 56, wherein the request and the response are
- 2 session initiation protocol messages.
- 1 60. The method as recited in claim 56, wherein the data processing system is a
- 2 wireless device.
- 1 61. The method as recited in claim 56, wherein the step of presenting caller
- 2 information comprises a vibrating alert.
- 1 62. The method as recited in claim 56, wherein the data processing system is a
- 2 two-way pager.

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63. A communications network for redirecting communications; comprising:
a proxy server for performing address lookup and directing calls;
a user agent functionally connected to the aid proxy server to provide protocol
translation between a protocol recognized by the proxy server and a protocol
5 recognized by a terminal unit and to provide a communication link between the proxy
server and the terminal unit; wherein
the proxy server, responsive to an indication from the terminal unit to redirect
a call, redirects calls to a new location.

64. The network as recited in claim 63, wherein the proxy server is a session
10 initiation protocol proxy server and the user agent is a session initiation protocol user
agent for translating between session initiation protocol and a second protocol.

65. The network as recited in claim 64, wherein the second protocol is HTML.

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66. A method for initiating calls, comprising the steps of:
receiving registration notice of an incoming call, wherein said registration
notice is formatted in a first protocol;

5 translating said registration notice from the first protocol into a second
protocol; and

transmitting a modified registration notice to a terminating device; wherein
the modified registration notice is formatted in the second protocol.

67. The method as recited in claim 66, further comprising:

10 receiving a location data with which to redirect the incoming call from the
terminating device; wherein the location data is formatted in the second protocol; and
translating the location data to a second location data; and
transmitting the second location data, wherein the second location data is
formatted in the second protocol.

15 68. The method as recited in claim 66, wherein the first protocol is a session
initiation protocol.

69. The method as recited in claim 66, wherein the second protocol is a hypertext
markup language.